

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A recording medium, comprising:
a data area including at least two data sections; and
a linking area to link neighboring data sections, the linking area including at least two linking frames, each linking frame including both at least one sync signal ~~frame sync signals and~~ dummy data,
wherein the dummy data is located behind the at least one sync signal in each linking frame.
2. (Original) The recording medium of claim 1, wherein the dummy data improves reproduction compatibility between the recording medium and at least one other recording media type.
3. (Original) The recording medium of claim 2, wherein the at least one other recording media type is a write-once or rewritable type.
4. (Previously Presented) The recording medium of claim 1, wherein the dummy data is located in an area of the linking area reserved for user data.
5. (Currently Amended) The recording medium of claim 1, wherein ~~the linking area includes at least two linking frames,~~ the at least two linking frames having a same size.
6. (Previously Presented) The recording medium of claim 5, wherein the at least two

linking frames include a same frame pattern of dummy data.

7. (Previously Presented) The recording medium of claim 6, wherein the same frame pattern of dummy data is at least one of "00h", "01h", "10h", "08h", "AAh", and "FFh".

8. (Previously Presented) The recording medium of claim 6, further comprising at least one other linking area including a same area pattern of dummy data as the linking area.

9. (Previously Presented) The recording medium of claim 6, further comprising at least one other linking area including an area pattern of dummy data different from the linking area.

10. (Previously Presented) The recording medium of claim 5, wherein the at least two linking frames include different frame patterns of dummy data.

11. (Previously Presented) The recording medium of claim 10, further comprising at least one other linking area including a same area pattern of dummy data as the linking area.

12. (Previously Presented) The recording medium of claim 10, further comprising at least one other linking area including an area pattern of dummy data different from the linking area.

13. (Previously Presented) The recording medium of claim 10, wherein each of the different frame patterns of dummy data is at least one of "00h", "01h", "10h", "08h", "AAh", and "FFh".

14. (Previously Presented) The recording medium of claim 10, wherein one of the different frame patterns is "08h" and another of the different frame patterns is "00h".

15. (Currently Amended) A method of forming a recording medium, comprising:
forming a linking area to link neighboring data sections of a data area while recording

data onto the recording medium, the linking area including at least two linking frames; and

writing at least one frame sync signal and dummy data in each linking frame of the linking area, the dummy data being located behind the at least one sync signal in each linking frame.

16. (Previously Presented) The method of claim 15, wherein the writing step writes the dummy data with a same size between the recording medium and at least one other recording media type.

17. (Previously Presented) The method of claim 15, wherein the at least two linking frames include a same frame pattern of dummy data.

18. (Previously Presented) The method of claim 17, wherein the same frame pattern of dummy data is at least one of "00h", "01h", "10h", "08h", "AAh", and "FFh".

19. (Previously Presented) The method of claim 15, wherein the at least two linking frames include different frame patterns of dummy data.

20. (Previously Presented) The method of claim 19, wherein forming step forms at least one other linking area including a same area pattern of dummy data as the linking area.

21. (Previously Presented) The method of claim 19, wherein each of the different frame patterns is at least one of "00h", "01h", "10h", "08h", "AAh", and "FFh".

22. (Previously Presented) The method of claim 19, wherein one of the different frame patterns is "08h" and another of the different frame patterns is "00h".

23. (Currently Amended) A method of reproducing data from a recording medium, comprising:

utilizing a linking area, which links neighboring data sections of a data area, to

reproduce the data, the linking area including at least two linking frames, each linking frame including at least one frame sync signal and dummy data, the dummy data being located behind the at least one sync signal in each linking frame.

24. – 30. (Cancelled)

31. (Currently Amended) A method of recording data on a recording medium, comprising:

utilizing a linking area, which links neighboring data sections of a data area, to record the data, the linking area including at least two linking frames, each linking frame including at least one frame sync signal and dummy data, the dummy data being located behind the at least one sync signal in each linking frame.

32. (Previously Presented) The method of claim 31, wherein the utilizing step includes writing the dummy data with a same size between the recording medium and at least one other recording media type.

33. (Previously Presented) The method of claim 31, wherein the at least two linking frames include a same frame pattern of dummy data.

34. (Previously Presented) The method of claim 33, wherein the same frame pattern of dummy data is at least one of “00h”, “01h”, “10h”, “08h”, “AAh”, and “FFh”.

35. (Previously Presented) The method of claim 31, wherein the at least two linking frames include different frame patterns of dummy data.

36. (Previously Presented) The method of claim 35, wherein at least one other linking area on the recording medium includes a same area pattern of dummy data as the linking area.

37. (Previously Presented) The method of claim 35, wherein each of the different frame

patterns of dummy data is at least one of "00h", "01h", "10h", "08h", "AAh", and "FFh".

38. (Previously Presented) The method of claim 35, wherein one of the different patterns of dummy data is "08h" and another of the different patterns of data is "00h".

39. (Currently Amended) An apparatus for reproducing data from a recording medium comprising:

an optical pickup configured to read ~~reading~~ a linking area, which links neighboring data sections of a data area, to reproduce data, the linking area including at least two linking frames, each linking frame including at least one frame sync ~~sync~~ signal and dummy data, the dummy data being located behind the at least one frame sync signal; and

a controlling unit configured to determine ~~determining~~ whether a currently read area is the linking area based on the frame sync signal read by the optical pickup, and controlling to control a reproduction according to a result of the determination.

40. (Currently Amended) The apparatus of claim 39, wherein the controlling unit ~~controls~~ is configured to control the reproduction such that data within the neighboring data sections of the data area is reproduced continuously if the controlling unit determines the currently the currently read area is not the linking area, and the data within the neighboring data sections of the data area is reproduced excluding the dummy data if the controlling unit determines the currently read area is the linking area.

41. (Previously Presented) A recording medium, comprising:

a data area including at least two data sections, each data section including at least one sync signal; and

a linking area which links neighboring data sections of the data area and includes at least two linking frames, each linking frame including at least one frame sync signal and dummy data, wherein the sync signal precedes the dummy data in each linking frame of the linking area, and a size of the at least two linking frames is the same as that included in a write-once or rewritable medium.

42. (Previously Presented) The method of claim 23, wherein the utilizing step comprises:

detecting the at least one frame sync signal included in the linking frame of the linking area; and

determining whether a currently read area is the linking area based on the detected frame sync signal.

43. (Previously Presented) The method of claim 42, further comprising:

reproducing data within the neighboring data sections of the data area excluding the dummy data of a currently read area if the determining step determines the currently read area is the linking area.

44. (Previously Presented) The method of claim 42, further comprising:

reproducing data within the neighboring data sections of the data area continuously if the determining step determines a currently read area is not the linking area.